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pt#8 1600

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RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/728,653DATE: 09/10/2002  
TIME: 15:44:30Input Set : A:\PH7118.ST25.txt  
Output Set: N:\CRF4\09102002\I728653.raw

3 <110> APPLICANT: Bristol-Myers Squibb Company  
 4 Han, Amy Qi  
 5 Glunz, Peter W.  
 7 <120> TITLE OF INVENTION: Alpha-Ketoamide Inhibitors of Hepatitis C Virus NS3 Protease  
 9 <130> FILE REFERENCE: PH-7118  
 11 <140> CURRENT APPLICATION NUMBER: US 09/728,653  
 12 <141> CURRENT FILING DATE: 2000-12-01  
 14 <150> PRIOR APPLICATION NUMBER: US 60/168,998  
 15 <151> PRIOR FILING DATE: 1999-12-03  
 17 <160> NUMBER OF SEQ ID NOS: 11  
 19 <170> SOFTWARE: PatentIn version 3.1  
 21 <210> SEQ ID NO: 1  
 22 <211> LENGTH: 5  
 23 <212> TYPE: PRT  
 24 <213> ORGANISM: Artificial Sequence  
 26 <220> FEATURE:  
 27 <223> OTHER INFORMATION: The synthesis of this peptide may be performed on an ABI 43A  
 pept  
 28 ide synthesizer using readily available materials well known to o  
 29 rdinarily skilled artisans  
 31 <400> SEQUENCE: 1  
 33 Met Gly Ala Gln His  
 34 1 5  
 37 <210> SEQ ID NO: 2  
 38 <211> LENGTH: 15  
 39 <212> TYPE: PRT  
 40 <213> ORGANISM: Artificial Sequence  
 42 <220> FEATURE:  
 43 <223> OTHER INFORMATION: The synthesis of this peptide may be performed on an ABI 43A  
 pept  
 44 ide synthesizer using readily available materials well known to o  
 45 rdinarily skilled artisans  
 47 <400> SEQUENCE: 2  
 49 Met Arg Gly Ser His His His His His Met Gly Ala Gln His  
 50 1 5 10 15  
 53 <210> SEQ ID NO: 3  
 54 <211> LENGTH: 9  
 55 <212> TYPE: PRT  
 56 <213> ORGANISM: Artificial Sequence  
 58 <220> FEATURE:  
 59 <223> OTHER INFORMATION: Peptide ester substrate synthesized by methods disclosed in  
 Talia  
 60 ni et al., Anal. Biochem., 240, 60-67, 1996.  
 62 <220> FEATURE:

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63 <221> NAME/KEY: ACETYLATION  
64 <222> LOCATION: (1)..(1)

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65 <223> OTHER INFORMATION: acetyl group  
68 <220> FEATURE:  
69 <221> NAME/KEY: MOD\_RES  
70 <222> LOCATION: (3)..(3)  
71 <223> OTHER INFORMATION: Aspartic acid modified with EDANS, 5-[(2'-aminoethyl)amino]  
naphth  
72 ylene sulfonic acid  
75 <220> FEATURE:  
76 <221> NAME/KEY: MISC\_FEATURE  
77 <222> LOCATION: (6)..(6)  
78 <223> OTHER INFORMATION: 2-amino butyric acid bonded through an ester group  
81 <220> FEATURE:  
82 <221> NAME/KEY: MOD\_RES  
83 <222> LOCATION: (9)..(9)  
84 <223> OTHER INFORMATION: Lysine modified by DabcyL; 4-[[4'(dimethylamino)phenyl]azo]  
benzoi  
85 c acid  
88 <400> SEQUENCE: 3  
W--> 90 Asp Glu Asp Glu Xaa Ala Ser Lys  
91 1 5  
94 <210> SEQ ID NO: 4  
95 <211> LENGTH: 4  
96 <212> TYPE: PRT  
97 <213> ORGANISM: Artificial Sequence  
99 <220> FEATURE:  
100 <223> OTHER INFORMATION: The synthesis of this peptide may be performed on an ABI 43A  
pept  
101 ide synthesizer using readily available materials well known to o  
102 rdinarily skilled artisans  
104 <220> FEATURE:  
105 <221> NAME/KEY: ACETYLATION  
106 <222> LOCATION: (1)..(1)  
107 <223> OTHER INFORMATION: Acetylation  
110 <220> FEATURE:  
111 <221> NAME/KEY: AMIDATION  
112 <222> LOCATION: (4)..(4)  
113 <223> OTHER INFORMATION: para-nitroaniline  
116 <400> SEQUENCE: 4  
118 Glu Glu Ala Cys  
119 1  
122 <210> SEQ ID NO: 5  
123 <211> LENGTH: 6  
124 <212> TYPE: PRT  
125 <213> ORGANISM: Artificial Sequence  
127 <220> FEATURE:  
128 <223> OTHER INFORMATION: Synthesized by standard organic chemistry laboratory  
methods.  
130 <220> FEATURE:  
131 <221> NAME/KEY: MISC\_FEATURE  
132 <222> LOCATION: (6)..(6)  
133 <223> OTHER INFORMATION: Boro-allylglycine  
136 <400> SEQUENCE: 5  
W--> 138 Asp Glu Val Val Pro Xaa

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139 1          5
142 <210> SEQ ID NO: 6
143 <211> LENGTH: 23
144 <212> TYPE: PRT
145 <213> ORGANISM: Artificial Sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: The synthesis of this peptide may be performed on an ABI 43A
pept
149         ide synthesizer using readily available materials well known to o
150         rdinarily skilled artisans
152 <400> SEQUENCE: 6
154 Lys Lys Gly Ser Val Val Ile Val Gly Arg Ile Val Leu Ser Gly Lys
155 1          5          10          15
158 Pro Ala Ile Ile Pro Lys Lys
159         20
162 <210> SEQ ID NO: 7
163 <211> LENGTH: 6
164 <212> TYPE: PRT
165 <213> ORGANISM: Artificial Sequence
167 <220> FEATURE:
168 <223> OTHER INFORMATION: Synthesized by standard organic chemistry laboratory
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170 <220> FEATURE:
171 <221> NAME/KEY: MISC_FEATURE
172 <222> LOCATION: (6)..(6)
173 <223> OTHER INFORMATION: Boro-allylglycine pinanediol ester
176 <400> SEQUENCE: 7
W--> 178 Asp Glu Val Val Pro Xaa
179 1          5
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183 <211> LENGTH: 5
184 <212> TYPE: PRT
185 <213> ORGANISM: Artificial Sequence
187 <220> FEATURE:
188 <223> OTHER INFORMATION: Synthesized by standard organic chemistry laboratory
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190 <220> FEATURE:
191 <221> NAME/KEY: MOD_RES
192 <222> LOCATION: (1)..(1)
193 <223> OTHER INFORMATION: N-terminal Protecting Group: t-Butoxycarbonyl
194         Delta-Carboxy Ester: t-Butyl
197 <220> FEATURE:
198 <221> NAME/KEY: MOD_RES
199 <222> LOCATION: (2)..(2)
200 <223> OTHER INFORMATION: Gamma-Carboxy Ester: t-Butyl
203 <400> SEQUENCE: 8
205 Asp Glu Val Val Pro
206 1          5
209 <210> SEQ ID NO: 9
210 <211> LENGTH: 4
211 <212> TYPE: PRT
212 <213> ORGANISM: Artificial Sequence

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214 <220> FEATURE:  
215 <223> OTHER INFORMATION: Synthesized by standard organic chemistry laboratory  
methods.  
217 <220> FEATURE:  
218 <221> NAME/KEY: MOD\_RES  
219 <222> LOCATION: (1)..(1)  
220 <223> OTHER INFORMATION: N-terminal Protecting Group: benzyloxycarbonyl  
221       Gamma-Carboxy Ester: t-Butyl  
224 <220> FEATURE:  
225 <221> NAME/KEY: MOD\_RES  
226 <222> LOCATION: (4)..(4)  
227 <223> OTHER INFORMATION: Benzyl Esterfication  
230 <400> SEQUENCE: 9  
232 Glu Val Val Pro  
233 1  
236 <210> SEQ ID NO: 10  
237 <211> LENGTH: 4  
238 <212> TYPE: PRT  
239 <213> ORGANISM: Artificial Sequence  
241 <220> FEATURE:  
242 <223> OTHER INFORMATION: Synthesized by standard organic chemistry laboratory  
methods.  
244 <220> FEATURE:  
245 <221> NAME/KEY: MOD\_RES  
246 <222> LOCATION: (1)..(1)  
247 <223> OTHER INFORMATION: Gamma-Carboxy Ester: t-Butyl  
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252 Glu Val Val Pro  
253 1  
256 <210> SEQ ID NO: 11  
257 <211> LENGTH: 6  
258 <212> TYPE: PRT  
259 <213> ORGANISM: Artificial Sequence  
261 <220> FEATURE:  
262 <223> OTHER INFORMATION: Synthesized by standard organic chemistry laboratory  
methods.  
264 <220> FEATURE:  
265 <221> NAME/KEY: MOD\_RES  
266 <222> LOCATION: (1)..(1)  
267 <223> OTHER INFORMATION: N-terminal Protecting Group: t-Butoxycarbonyl  
268       Delta-Carboxy Ester: t-Butyl  
271 <220> FEATURE:  
272 <221> NAME/KEY: MOD\_RES  
273 <222> LOCATION: (2)..(2)  
274 <223> OTHER INFORMATION: Gamma-Carboxy Ester: t-Butyl  
277 <220> FEATURE:  
278 <221> NAME/KEY: MISC\_FEATURE  
279 <222> LOCATION: (6)..(6)  
280 <223> OTHER INFORMATION: Boro-allylglycine pinanediol ester  
283 <400> SEQUENCE: 11  
W--> 285 Asp Glu Val Val Pro Xaa  
286 1                   5

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/728,653

DATE: 09/10/2002  
TIME: 15:44:31

Input Set : A:\PH7118.ST25.txt  
Output Set: N:\CRF4\09102002\I728653.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; Xaa Pos. 6  
Seq#:5; Xaa Pos. 6  
Seq#:7; Xaa Pos. 6  
Seq#:11; Xaa Pos. 6

VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/728,653

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Input Set : A:\PH7118.ST25.txt  
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L:90 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:138 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0  
L:178 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0  
L:285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0